Exhibit A

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EXPERIENCE

Broad Institute of Harvard and MIT   Cambridge, Ma
Senior Software Engineer   Oct 2021 - Present

· Chan Zuckerberg Initiative (CZI) Software Fellow - Maintaining and extending CellProfiler, a widely used open source tool with thousands of citations, for the reproducible processing and analysis of biological images
· Grantee of the National Institutes of Health (NIH) funded Center for Open Bioimage Analysis - Leading the development of Piximi, a new Open-Source deep learning tool for scientific image classification, segmentation and measurement

CoughCo   Cambridge, Ma
Machine Learning Engineer   Jan 2021 - Mar 2021

· Constructed deep learning models for the detection of COVID-19 from audio signal data
· Collaborated with MIT Auto-ID Lab researchers to improve upon their initial research efforts
· Conducted independent research in the detection of respiratory diseases from bio-marker data
· Initialized and maintained full model design and training pipeline

Harvard Extension School   Cambridge, Ma
Instructor - Introduction to Blockchain and Bitcoin   Dec 2020 - May 2021

· Emphasized mix of the theoretical underpinnings of distributed systems, general blockchain principles, and development of blockchain systems from first principles
· Concentrated on Bitcoin and Ethereum as engineering case studies, with associated toolchains
· Held discussions on the broader societal implications and impact of blockchain systems

Graduate Teaching Fellow
- *Crafting the Thesis Proposal in Software Engineering*   Jan 2020 - May 2020
- *Unix Systems Programming*   Jan 2019 - May 2019

University of Central Florida - Center for Innovation and Entrepreneurship   Orlando, Fl
Strategic Research Analyst and Operations Lead   Dec 2013 - Jul 2017

· Worked closely with regional tech organizations in order to bridge the startup ecosystems between academia and industry
· Led operational activities for a National Science Foundation (NSF) funded program, I-Corps, recruiting and funding 100 teams with innovative ideas and helping them to commercialize their technologies
· Worked one on one with university researchers, engineers and scientists in determining areas of high commercial impact for their research and technologies
· Provided consultative services to over 200 high growth potential technology startups, including university spin-outs and early-stage companies throughout the Central Florida area
· Assisted companies in strategy, review of commercialization plans, and the facilitation of industry contacts
· Worked to identify and procure public and private funds, especially in drafting SBIR/STTR and other grant proposals

Lakemont Group   Orlando, Fl
Senior Analyst   Jun 2014 - Apr 2016

· Conducted data analysis on commercial properties throughout the Central Florida area
· Led research efforts in designing algorithms to automatically identify agents misreporting data in order to provide clients with a more accurate, holistic view of market movements than current solutions
· Developed a web application for data gathering, consolidation and analysis

Florida Economic Gardening Institute - GrowFL   Orlando, Fl
Market Researcher and GIS specialist   Dec 2013 - Jan 2015

· Provided consultation and strategic research services to second stage companies
· Utilized Geographical Information Systems (GIS) Business Analyst tools to conduct demographic and psychographic analysis

· Provided Search Engine Optimization (SEO) services

The Blackstone Group - Invitation Homes   Orlando, Fl
Lead Acquisitions Analyst   Nov 2012 - Dec 2013

· Researched properties to determine value, providing in-depth information by collecting and analyzing market data
  and trends, and forecasting yields on prospective purchases
· Automated processes for identifying and capturing potential investments
· Developed and utilized data visualizations to locate areas with greatest investment potential
· Acted as head analyst for team that closed over three hundred properties and deployed over $35 million in 2013,
  becoming the number one producing team in the nation for Keller Williams

EDUCATION

Harvard Extension School - ALM   Aug 2017 - Dec 2020
Software Engineering, Dean's List for Academic Achievement

Master's Thesis

· Predictive Maintenance in the Internet of Things: Survival Analysis and Deep Learning on Time Series Data from
  a Large Scale Wireless Sensor Network
· Nominated for Dean's Prize for Outstanding ALM Thesis

University of Central Florida - BS   2012